Xi Series™

High Performance Bar Code Printing

Everything you count on with Zebra's *Xi* Series printers, and more!

Zebra's *Xi* Series is known for its high performance, mission-critical ruggedness. These hardworking printers are the ones to call on – 24/7 – in heavy duty, industrial operations.

The latest *Xi*III*PLUS*™ printers offer even more performance with their new 32-bit processors, increased memory, and early warning notification for printhead maintenance support.

More connectivity choices

With a wealth of connectivity choices, *Xi*III*PLUS* printers integrate easily into any system:
– ZebraLink
– ZBI programming
– Wireless Ethernet
– USB 2.0
– Serial and Parallel ports

iSeries (AS/400) network users can choose from a wide range of Twinax/Coax and IPDS connectivity options.

Zebra

Reliability on demand™

X i Series

*Xi*III*PLUS*

90 *X i* III *P L U S*

The 90*Xi*III*PLUS* printer is ideal for applications that require small, high-resolution bar code labels, such as tracking printed circuit boards and small parts, and identifying small products. The printer's standard 300dpi print-head ensures text, graphics and bar codes always print clearly – essential when label space is limited.

Maximum Print Area
Width: 86mm (3.4")
Length (with standard memory):
991mm (39")

Resolution
12 dots/mm (300dpi)

Maximum Print Speed
203mm (8") per second

Physical Characteristics
Width: 232.4mm (9.15")
Depth: 495mm (19.5")
Height: 393.7mm (15.5")
Weight: 22.7kg (50lbs)

Media Specifications
Label and liner width:
20mm (0.79") to 90mm (3.54")
Ribbon width:
20mm (0.79") to 87mm (3.4")

96 *X i* III *P L U S*

With a print resolution of 600dpi, the 96*Xi*III*PLUS* is unmatched for printing large amounts of bar code, text and graphics information in limited label space. This printer is ideal for applications that require extremely high resolution – labelling electronic components, telecommunication assemblies, computer peripherals, small pharmaceutical packaging, diagnostic research samples and more.

Maximum Print Area
Width: 81mm (3.2")
Length (with standard memory):
508mm (20")

Resolution
23.5 dots/mm (600dpi)

Maximum Print Speed
102mm (4") per second

Physical Characteristics
Width: 232.4mm (9.15")
Depth: 495mm (19.5")
Height: 393.7mm (15.5")
Weight: 22.7kg (50lbs)

Media Specifications
Label and liner width:
20mm (0.79") to 90mm (3.54")
Ribbon width:
20mm (0.79") to 87mm (3.4")

Meet The *Xi*III*PLUS* Family

*Xi*III*PLUS* printers offer advanced features including:

- ZebraNet® Wireless Card Socket, which eliminates the costs of recabling when a printer is moved or reconfigured.

- ZebraLink™ revolutionary real-time connectivity and control solution for Zebra printers, providing:

  1. Alert (with ZebraNet PrintServer II) – enables a printer to send unsolicited status messages via email-enabled devices (e.g. pager, cell phones, PCs and PDAs).
  2. WebView (with ZebraNet PrintServer II) – enables remote monitoring and configuration of Zebra printers using Web-based network tools.
  3. ZBI™ (Zebra BASIC Interpreter) – programming language that works with ZPL II® to control and interpret incoming text and data.

- New 32-bit processor for faster throughput and processing speeds.

- 16MB SDRAM memory (over 12MB user available).

- 4MB non-volatile Flash memory (2MB user available).

- Early service warning notification for printhead maintenance support.

- 300 darkness settings for more control when printing on synthetics.

Test drive an *Xi*IIIPlus with ZebraLink today at www.zebra.com/livelink!

140 *X i* III *P L U S*

The 140*Xi*III*PLUS* is the fastest printer in Zebra's *Xi* Series, printing at up to 305mm (12") per second. With such powerful performance and steel construction, it is the ideal choice for high-volume, mission-critical applications with 24-hour duty cycles. The 140*Xi*III*PLUS* is also well-suited for applications in which labels are required quickly, either on demand or in batches.

Maximum Print Area
Width: 128mm (5.04")
Length (with standard memory):
991mm (39")

Resolution
8 dots/mm (203dpi)

Maximum Print Speed
305mm (12") per second

Physical Characteristics
Width: 283.2mm (11.15")
Depth: 495mm (19.5")
Height: 393.7mm (15.5")
Weight: 25kg (55 lbs)

Media Specifications
Label and liner width:
40mm (1.57") to 140mm (5.51")
Ribbon width:
40mm (1.57") to 130mm (5.1")

170 *X i* III *P L U S*

The 170*Xi*III*PLUS* is ideal for AIAG, ODETTE, UCC/EAN-128 and other compliance labelling applications. With 300dpi print resolution, labels up to 180mm (7.1") wide and speeds of 203mm (8") per second, it easily handles compliance labels on demand or in batches. Like all *Xi*III*PLUS* printers, its rugged steel construction enables it to operate dependably in the harshest environments.

Maximum Print Area
Width: 168mm (6.6")
Length (with standard memory):
991mm (39")

Resolution
12 dots/mm (300dpi)

Maximum Print Speed
203mm (8") per second

Physical Characteristics
Width: 334.4mm (13.15")
Depth: 495mm (19.5")
Height: 393.7mm (15.5")
Weight: 30.5kg (67 lbs)

Media Specifications
Label and liner width:
51mm (2") to 180mm (7.1")
Ribbon width:
51mm (2") to 170mm (6.7")

220 *X i* III *P L U S*

The 220*Xi*III*PLUS* quickly prints labels up to 224mm (8.8") wide at 254mm (10") per second. It is ideal for wide label applications such as printing chemical drum labels, primary metal standard labels, automotive industry labels, banner-sized labels and pallet and container shipping labels.

Maximum Print Area
Width: 216mm (8.5")
Length (with standard memory):
991mm (39")

Resolution
203dpi/8 dots/mm

Maximum Print Speed
254mm (10") per second

Physical Characteristics
Width: 397.5mm (15.65")
Depth: 495mm (19.5")
Height: 393.7mm (15.5")
Weight: 32.7kg (72 lbs)

Media Specifications
Label and liner width:
108mm (4.25") to 224mm (8.8")
Ribbon width:
108mm (4.25") to 220mm (8.6")

Left
Optional rigid media door with clear panel

Right
Standard bi-fold media door with clear panel

Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: 12-gauge steel frame
- ZebraLink
- USB 2.0 port for faster connectivity and throughput (plug and play)
- Serial and parallel ports
- Multilingual back-lit LCD display
- PCMCIA socket
- New 32-bit processor for increased throughput and processing speeds
- Transmissive and reflective media sensors
- Bi-fold media door with clear panel
- Advanced counters
- 16MB SDRAM; 4MB non-volatile Flash memory

- Enhanced Alert notification – monitors printhead condition
- 300 discrete darkness settings for print quality
- Real-time clock
- Multi-level Element Energy Equalizer (E3) for superior print quality
- Compact Flash (available end 2002)

Programming Languages

- ZPL II® – Universal language for Zebra printers. Simplifies label formatting and enables compatibility with other Zebra printers.
- ZBI™ – Controls and interprets text and data from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN or wireless network via e-mail or TCP/IP messaging.

Operating Characteristics

Environment
- Operating Temp. (TT) 5°C (41°F) to 40°C (104°F)
- Operating Temp. (DT) 0°C (32°F) to 40°C (104°F)
- Storage/Transport Environ. -40°C (40°F) to 60°C (140°F)
- Operating Humidity 20 to 85% non-condensing
- Storage Humidity 5 to 85% non-condensing

Electrical
- Universal power supply with power-factor correction 90-264 VAC; 48-62 Hz

Communication Interface Capabilities
- USB 2.0 port (480M bits/second)
- RS-232C/422/485 multi-drop
- Hi-speed, bi-directional, IEEE 1284 parallel interface
- Optional ZebraNet PrintServer II Ethernet Connection
- Optional ZebraNet Wireless Card Socket

Agency Approvals
- Bi-National UL 60950 Third Edition/CSA CAN/CSA-C22.2 No. 60950-00 Third Edition; IEC 950/EN60950: 1992 w/amendments 1 through 4 (CB Scheme); EN55022: 1998 Class B; EN55024: 1998; EN61000-3-2, 3 w/amendment A12; Canadian ICES-003, Class B, FCC Class B; Argentina 92/98 Phase 3; Australia AS/NZS 3548; R.O.C. CNS 13438

Media Characteristics

Labels

Max. Roll Size
- 203mm (8") O.D. on a 76mm (3") I.D. core

Thickness (label & liner)
- 0.076mm (0.003") to 0.305mm (0.012")

Media Type
- Continuous, die-cut or black mark

For optimum print quality and printer performance, use Genuine Zebra Supplies.

Ribbons

Ribbon is recommended to be at least as wide as media.

Max. Roll Size
- 81.3mm (3.2") O.D. on a 25.4mm (1") I.D. core

Standard Lengths
- 450m (1,476') or 300m (984'); provides 3:1 & 2:1 media roll to ribbon ratios

Ribbon Set-up
- Ribbon wound ink side out

Fonts/Graphics/Symbologies

Fonts and Character Sets
- Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
- Sets: IBM® Code Page 850 International character set

Graphic Features
- Supports user-defined fonts and graphics – including custom logos

Bar Code Symbologies
- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case C Codes, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, Planet Code
- 2-Dimensional: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417, TLC 39

Options and Accessories

- ZebraNet PrintServer II
- ZebraNet Wireless Card Socket
- Rewind
- Label peel
- Cutter (now available on all XiIIIPLUS printers)
- Rigid media door with clear panel
- Media supply spindle for 76mm cores (standard on 96XiIIIPLUS
- Scalable and international fonts

- PC cards
- IBM Twinax interface
- IBM Coax interface
- BAR-ONE® software
- Media supply spindle for 40mm cores (not available on 220 XiIIIPLUS)
- Wireless PC card slot (contact Zebra for availability)
- Applicator interface
- Compact Flash cards

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*Specifications listed are for base model printers with standard features only, unless otherwise noted. Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved.

For further information on these products, please visit the Zebra web site at:
www.zebra.com